

CLAIMS

1. A method of controlling a packet switched network bandwidth which includes a plurality of multimedia transceiver for transferring multimedia communications from at least one multimedia transceiver to at least one other multimedia transceiver, wherein the method comprising the steps of:
- transmitting a first type of communication with a first bit rate;
- transmitting a second type of communication simultaneously with said first type of communication for a predefined period of time;
- calculating said network bandwidth for providing said network available bandwidth; and
- adjusting packet transmission bitrate in accordance with said network available bandwidth for controlling said network bandwidth.
2. The method of claim 1, wherein in the step of transmitting the second type of communication comprises the step of increasing transmission bit rate.
3. The method of claim 1, additionally comprising the step of monitoring, said monitoring including:
- requesting for network available bandwidth;
- restoring transmission bit rate to the first bit rate; and
- receiving network available bandwidth.

4. A method for controlling data transportation over a network, comprising the steps of:

a. transmitting data at a first bit rate;

b. detecting an available bandwidth of said network, said detection being in real time and substantially simultaneous with said transmission of data with a first bit rate; and

c. transmitting data at a second bit rate, said second bit rate being in accordance with said available bandwidth of said network that was detected in step (b).

5. The method of claim 4, wherein the transmission of data over said network is over a path of a network having a predetermined maximum bandwidth, and

the step of detecting an available bandwidth of said network, includes:

transmitting data at a first bit rate;

transmitting at least one test data packet in an increased bit rate for detecting at least one congestion in the path; and

transmitting data at said first bit rate and receiving a result of said detection.